

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/14358

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D333/22 C07D333/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>RYABOV A N ET AL: "ZIRCONIUM COMPLEXES WITH CYCLOPENTADIENYL LIGANDS INVOLVING FUSED A THIOPHENE FRAGMENT" ORGANOMETALLICS, ACS, COLUMBUS, OH, US, vol. 21, no. 14, 2002, pages 2842-2855, XP001106373 ISSN: 0276-7333 cited in the application scheme 4 and page 2852 first column, first paragraph</p> <p style="text-align: center;">--- -/-</p>	1-9

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

29 April 2004

Date of mailing of the international search report

07/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bakboord, J

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14358

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EWEN J A ET AL: "Chiral Ansa Metallocenes with Cp Ring-Fused to Thiophenes and Pyrroles: Syntheses, Crystal Structures, and Isotactic Polypropylene Catalysts" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 123, 2001, pages 4763-4773, XP002233282 ISSN: 0002-7863 cited in the application page 4770, 2nd column, final paragraph under 2,4-dimethyl-3-phenyl-5,6-dihydrocyclopent al'1,2-b!thiophen-4-one ---	1-9
A	BINDER D ET AL: "A facile route to functionalized cyclopenta'b!thiophenones based on the structure of the selective cox-2 inhibitor flosulide" MONATSHFTE FÜR CHEMIE, vol. 129, 1998, pages 887-896, XP002278577 Austria page 889, first paragraph + Scheme 2 ---	1-9
A	BERGMAN J ET AL: "intramolucular ring closure of alpha, beta-unsaturated 3-acylindoles" TETRAHEDRON LETTERS, vol. 28, no. 32, 1987, pages 3741-3744, XP002278578 GB scheme 1 -----	1-9